

ABSTRACT

A method is provided for hydrofeeding a diesel feedstock, which method includes the steps of providing a feedstock containing a Diesel feed fraction and sulfur; and feeding the feedstock to a hydrotreating reactor containing a catalyst selective toward Cetane Index improving reactions and hydrodesulfurization reactions so as to provide a product stream containing an improved Diesel fraction having an increased Cetane Index as compared to the Diesel Feed fraction, wherein the catalyst is substantially resistant to sulfur deactivation.